

## Regional HIV/AIDS Epidemiologic Profile of Lowell, Massachusetts: FY 2008

**Table 1. Total number of people reported with HIV infection or AIDS<sup>1</sup> by mortality status on December 31, 2007 Lowell, Massachusetts**

	N	%
People Living with HIV/AIDS	458	63%
People Reported with HIV or AIDS who are Deceased	265	37%
Total Number of People Reported with HIV Infection or AIDS	<b>723</b>	<b>100%</b>

<sup>1</sup> Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

**Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07<sup>1</sup>: Lowell, Massachusetts**

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Lowell, MA	25 per 100,000	27
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Lowell, MA	434 per 100,000	458
Massachusetts Total	267 per 100,000	16,977

<sup>1</sup> Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

**Table 3. People living with HIV/AIDS<sup>1</sup>, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year<sup>2</sup>: 1999–2006, Lowell, Massachusetts**

<b>Year</b>	<b>HIV/AIDS Prevalence</b>	<b>Deaths among those with HIV/AIDS</b>	<b>Diagnosis of HIV Infection</b>
1999	312	10	47
2000	334	11	33
2001	354	16	36
2002	372	9	27
2003	401	10	39
2004	423	11	33
2005	448	5	30
2006	455	10	17

<sup>1</sup> Number of People living with HIV/AIDS on 12/31 of each year

<sup>2</sup> Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis  
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

**Table 4. People diagnosed with HIV infection from 2004–2006<sup>1</sup> and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Lowell, Massachusetts**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	47	59%	290	63%
Female	33	41%	168	37%
Place of Birth:	N	%	N	%
US	32	40%	199	43%
Puerto Rico/US Dependency <sup>2</sup>	11	14%	110	24%
Non-US	37	46%	149	33%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	18	23%	126	28%
Black (non-Hispanic)	30	38%	122	27%
Hispanic	25	31%	176	38%
Other/Undetermined <sup>3</sup>	7	9%	34	7%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	13	16%	67	15%
Injection Drug Use (IDU)	13	16%	142	31%
MSM/IDU	1	1%	12	3%
Heterosexual Sex	13	16%	90	20%
Other	1	1%	15	3%
Total Undetermined	39	49%	132	29%
• Presumed Heterosexual Sex <sup>4</sup>	28	35%	105	23%
• Undetermined <sup>5</sup>	11	14%	27	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	1	1%	6	1%
13 to 19	3	4%	6	1%
20 to 24	4	5%	10	2%
25 to 29	9	11%	10	2%
30 to 34	11	14%	37	8%
35 to 39	11	14%	83	18%
40 to 44	16	20%	105	23%
45 to 49	12	15%	91	20%
50 to 54	7	9%	53	12%
55 to 59	1	1%	22	5%
60+	5	6%	35	8%
<b>Total</b>	<b>80</b>	<b>100%</b>	<b>458</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

<sup>2</sup> Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

<sup>3</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

<sup>4</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>5</sup> Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up  
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Lowell, Massachusetts**

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	89	31%	37	22%
Black Non-Hispanic	59	20%	63	38%
Hispanic	122	42%	54	32%
Other/Undetermined <sup>1</sup>	20	7%	14	8%
<b>Total</b>	<b>290</b>	<b>100%</b>	<b>168</b>	<b>100%</b>

<sup>1</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Lowell, Massachusetts**

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	67	23%	N/A	N/A
Injection drug use (IDU)	104	36%	38	23%
MSM/IDU	12	4%	N/A	N/A
Heterosexual sex	29	10%	61	36%
Other	7	2%	8	5%
Total Undetermined	71	24%	61	36%
• Presumed heterosexual sex <sup>1</sup>	54	19%	51	30%
• Undetermined <sup>2</sup>	17	6%	10	6%
<b>Total</b>	<b>290</b>	<b>100%</b>	<b>168</b>	<b>100%</b>

<sup>1</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>2</sup> Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Lowell, Massachusetts, before 1999, 1999–2006<sup>1</sup>**

	Male		Female		Total
	N	%	N	%	
< 1999	321	70%	137	30%	<b>458</b>
1999	30	64%	17	36%	<b>47</b>
2000	22	67%	11	33%	<b>33</b>
2001	25	69%	11	31%	<b>36</b>
2002	12	44%	15	56%	<b>27</b>
2003	23	59%	16	41%	<b>39</b>
2004	17	52%	16	48%	<b>33</b>
2005	19	63%	11	37%	<b>30</b>
2006 <sup>2</sup>	11	65%	6	35%	<b>17</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

<sup>2</sup> 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Lowell, Massachusetts, before 1999, 1999–2006<sup>1</sup>**

	White NH		Black NH		Hispanic		Other/ Undetermined <sup>2</sup>		Total
	N	%	N	%	N	%	N	%	
< 1999	202	44%	40	9%	207	45%	9	2%	<b>458</b>
1999	14	30%	16	34%	14	30%	3	6%	<b>47</b>
2000	9	27%	13	39%	6	18%	5	15%	<b>33</b>
2001	8	22%	12	33%	12	33%	4	11%	<b>36</b>
2002	3	11%	14	52%	5	19%	5	19%	<b>27</b>
2003	10	26%	19	49%	7	18%	3	8%	<b>39</b>
2004	5	15%	15	45%	9	27%	4	12%	<b>33</b>
2005	7	23%	10	33%	11	37%	2	7%	<b>30</b>
2006 <sup>3</sup>	6	35%	5	29%	5	29%	1	6%	<b>17</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

<sup>2</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

<sup>3</sup> 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Lowell, Massachusetts, before 1999, 1999–2006<sup>1</sup>**

	US		Puerto Rico/ US Dependency <sup>2</sup>		Non-US		Total
	N	%	N	%	N	%	
< 1999	271	59%	151	33%	36	8%	<b>458</b>
1999	19	40%	11	23%	17	36%	<b>47</b>
2000	10	30%	6	18%	17	52%	<b>33</b>
2001	12	33%	6	17%	18	50%	<b>36</b>
2002	6	22%	2	7%	19	70%	<b>27</b>
2003	18	46%	3	8%	18	46%	<b>39</b>
2004	10	30%	4	12%	19	58%	<b>33</b>
2005	13	43%	4	13%	13	43%	<b>30</b>
2006 <sup>3</sup>	9	53%	3	18%	5	29%	<b>17</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

<sup>2</sup> Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

<sup>3</sup> 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Lowell, Massachusetts, before 1999, 1999–2006<sup>1</sup>**

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX <sup>2</sup>		Undeter- mined <sup>3</sup>		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	74	16%	243	53%	21	5%	58	13%	18	4%	33	7%	11	2%	<b>458</b>
1999	5	11%	15	32%	0	0%	6	13%	3	6%	15	32%	3	6%	<b>47</b>
2000	4	12%	5	15%	0	0%	4	12%	1	3%	16	48%	3	9%	<b>33</b>
2001	6	17%	5	14%	1	3%	10	28%	1	3%	10	28%	3	8%	<b>36</b>
2002	2	7%	1	4%	0	0%	15	56%	0	0%	7	26%	2	7%	<b>27</b>
2003	7	18%	7	18%	0	0%	9	23%	0	0%	10	26%	6	15%	<b>39</b>
2004	5	15%	5	15%	0	0%	5	15%	0	0%	11	33%	7	21%	<b>33</b>
2005	3	10%	6	20%	1	3%	6	20%	0	0%	11	37%	3	10%	<b>30</b>
2006 <sup>4</sup>	5	29%	2	12%	0	0%	2	12%	1	6%	6	35%	1	6%	<b>17</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

<sup>2</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>3</sup> Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

<sup>4</sup> 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Lowell, Massachusetts, 1999–2006<sup>1</sup>**

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	12	47	26%
2000	6	33	18%
2001	13	36	36%
2002	13	27	48%
2003	11	39	28%
2004	13	33	39%
2005	13	30	43%
2006	8	17	47%

<sup>1</sup> Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS  
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

**Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Lowell, Massachusetts, 2004–2006<sup>1</sup>**

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
<b>Gender:</b>	<b>N</b>	<b>N</b>	<b>%</b>
Male	21	47	45%
Female	13	33	39%
<b>Race/Ethnicity:</b>	<b>N</b>	<b>N</b>	<b>%</b>
White (non-Hispanic)	7	18	39%
Black (non-Hispanic)	14	30	47%
Hispanic	11	25	44%
Other/Undetermined <sup>2</sup>	2	7	29%
<b>Place of Birth:</b>	<b>N</b>	<b>N</b>	<b>%</b>
US	9	32	28%
Puerto Rico/US Dependencies <sup>3</sup>	4	11	36%
Non-US	21	37	57%
<b>Total</b>	<b>34</b>	<b>80</b>	<b>43%</b>

<sup>1</sup> Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

<sup>2</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

<sup>3</sup> Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08